

Modern Math Students

Numbers Become Words in Class



00001210011201112100002
0110120010022100120100121
01012010002001012101012211
1002100002101112200001220
10002000012100012100012111
02210101210111201110201110
20010121001122.

Gibberish?
Not really.
As a matter of fact a binary system computer could tell you in about 30 seconds that the lead on this story reads "Arnold School wishes you a happy summer."

It would take slightly longer for a seventh or eighth grade math student from Arnold Elementary School, but given enough time he would come up with the same answer.

Modern math students in

Allen Goldsmith's classes this summer learned that they could apply mathematics lessons concerning the base two to the alphabet.

The code the binary number system was based on was the same code used by the Mariner spacecraft to send interplanetary messages to earth from Mars.

Applying the binary number system to decode words is just one way in which Goldsmith demonstrates the use of mathematics as a language in science.

Purpose of new math techniques, according to Goldsmith, is to provide students with enough information so that they may discover basic math concepts for themselves

rather than merely teaching the concepts and having the students learn them by rote.

Math and science have been integrated in Goldsmith's classes into one program: math-science. The program is based on the new math and oriented toward the theme: Math, the language of science.

Through learning about other number systems, seventh and eighth graders at Arnold are being taught the concepts of consistency in the mathematical laws governing identity, place value and arithmetic relationships.

Using this as a basis for the science program, they have applied many of the base systems to different phases of space science.

Home Assets Increase

Home Savings and Loan Association continued to pace the nation's savings and loan associations in total assets and savings through the first six months of 1965, according to Howard Ahmanson, chairman and president.

A six-month statement for the period ended June 30, showed Home's assets to have increased \$155,956,215 over the same date last year for a national record breaking total of \$1,898,158,952. Home expects to reach the magical \$2 billion mark in assets before year-end.

The six-month statement also revealed savings accounts now stand at \$1,640,965,390.

TORRANCE RANCHERO DAYS
Aug. 4 to 8
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- Rodeo Aug. 7 & 8, 2 p.m.

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TRANSLATING . . . Fay Fogel, an eighth grade student at Arnold Elementary School, works at the blackboard translating the binary number system into words. Students in a math class taught by Allen Goldsmith used the binary system to study about computers.

CITY REPORTS ILLS

Communicable diseases reported from the Torrance area for the week ending July 17 were: epilepsy, one case; gonorrhea, two cases; and salmonellosis, one case.

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